

ABSTRACT

An air separator system for separating shredded trash into relatively light material and relatively heavy material. An air stream is provided at an end of a conveyor. A splitter plate system comprises a rotating cylinder supported by a frame, and a splitter curtain hanging below the cylinder. The amount of light material which make it over the cylinder into a collection area can be controlled by adjusting at least one of a speed of the conveyor, an angle of the conveyor with respect to horizontal, an angle of the airstream with respect to the angle of the conveyor, a pressure of the airstream, a position of the airstream relative to the end of the conveyor, a distance between the bar and the conveyor, and a height of the bar with respect to a height of the conveyor.

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